A cost effective, mobile air cleaner for public and private use. COVID-19 is mainly spread through droplets, which means air conditioning systems need to have enough fresh air intake. In some cases, it’s not possible to update existing air conditioning system or install new devices to fulfil the requirements.

A solution to safely nebulize disinfectants to purify air, including the development of a control unit for monitoring, cleaning and disinfection.

The project is led by TU Wien Institute for Production Engineering and Photonic Technologies, together with an Austrian and German consortium, including the Austrian Institute of Technology, HPM GmbH, AQA GmbH, TBB BAUER&BAUER GmbH.

Activity budget: 335,600 €
Adressing the need to maintain social distancing and other safety measures to prohibit spread of the virus.

An automated system to ensure security measures are maintained using motion tracking technologies. The system monitors motion of humans and objects in production areas like factory floors or co-working spaces with pragmatic direct feedback to employees.

The project is led by TU Braunschweig, Germany in cooperation with Arduino, Switzerland.

Activity budget: 296,300 €
INNOV-Ventilator

Addressing ventilator shortage to save lives.

An air-powered ventilator: simple, safe to operate and easy to manufacture, and upgradable with common sensors and display technologies.

The INNOV-Ventilator project is led by Tecnalia together with a Spanish and German consortium consisting of TU Graz, Carl Reiner, WILD, University Hospital of Cologne from Germany and Osakidetza and Biocruces Bizkaia Health Institute, Spain.

Activity budget: 329,400 €